SEQUENCE LISTING

GENERAL INFORMATION:

   (i) APPLICANT: Dime, David S.
              Backx, Peter
              Kimmeldirk, Klaus

  (ii) TITLE OF INVENTION: Site-Specific Drug Delivery

 (iii) NUMBER OF SEQUENCES: 9

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      (E) COUNTRY: USA
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   (v) COMPUTER READABLE FORM:
      (A) MEDIUM TYPE: Floppy disk
      (B) COMPUTER: IBM PC compatible
      (C) OPERATING SYSTEM: PC-DOS/MS-DOS
      (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

  (vi) CURRENT APPLICATION DATA:
      (A) APPLICATION NUMBER: US 09/367,794
      (B) FILING DATE: 19-AUG-1999
      (C) CLASSIFICATION:

 (vii) PRIOR APPLICATION DATA:
      (A) APPLICATION NUMBER: WO PCT/CA98/00133
      (B) FILING DATE: 19-FEB-1998

 (vii) PRIOR APPLICATION DATA:
      (A) APPLICATION NUMBER: US 60/066,635
      (B) FILING DATE: 11-NOV-1997

 (vii) PRIOR APPLICATION DATA:
      (A) APPLICATION NUMBER: US 60/042,911
      (B) FILING DATE: 20-FEB-1997

(viii) ATTORNEY/AGENT INFORMATION:
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      (C) REFERENCE/DOCKET NUMBER: 018148-000130US

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(2) INFORMATION FOR SEQ ID NO:1:

   (i) SEQUENCE CHARACTERISTICS:
      (A) LENGTH: 33 amino acids
      (B) TYPE: amino acid
      (C) STRANDEDNESS:
      (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Gly Thr Asn Gly Ser Val Glu Ala Asp Gly Leu Val Trp Glu Ser Leu
1   5   10   15

Asp Leu Tyr Leu Ser Asp Pro Glu Asn Tyr Leu Leu Lys Asn Gly Thr
        20   25   30

Ser

(2) INFORMATION FOR SEQ ID NO:2:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 211 amino acids
        (B) TYPE: amino acid
        (C) STRANDEDNESS:
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Thr Ile Arg Gly Val Asp Thr Val Ser Arg Ser Ser Leu Glu Met Ser
1   5   10   15

Pro Leu Ala Pro Val Asn Ser His Glu Arg Arg Ser Lys Arg Arg Lys
        20   25   30

Arg Met Ser Ser Gly Thr Glu Glu Cys Gly Glu Asp Arg Leu Pro Lys
        35   40   45

Ser Asp Ser Glu Asp Gly Pro Arg Ala Met Asn His Leu Ser Leu Thr
        50   55   60

Arg Gly Leu Ser Arg Thr Ser Met Lys Pro Arg Ser Ser Arg Gly Ser
65   70   75   80

Ile Phe Thr Phe Arg Arg Arg Asp Leu Gly Ser Glu Ala Asp Phe Ala
            85   90   95

Asp Asp Glu Asn Ser Thr Ala Arg Glu Ser Glu Ser His His Thr Ser
        100   105   110

Leu Leu Val Pro Trp Pro Leu Arg Arg Thr Ser Ala Gln Gly Gln Pro
        115   120   125

Ser Pro Gly Thr Ser Ala Pro Gly His Ala Leu His Gly Lys Lys Asn
        130   135   140

Ser Thr Val Asp Cys Asn Gly Val Val Ser Leu Leu Gly Ala Gly Asp
145   150   155   160

Pro Glu Ala Thr Ser Pro Gly Ser His Leu Leu Arg Pro Val Met Leu
            165   170   175

```
Glu His Pro Pro Asp Thr Thr Thr Pro Ser Glu Glu Pro Gly Gly Pro
            180                 185                 190

Gln Met Leu Thr Ser Gln Ala Pro Cys Val Asp Gly Phe Glu Glu Pro
        195                 200                 205

Gly Ala Arg
    210
```

(2) INFORMATION FOR SEQ ID NO:3:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 39 amino acids
        (B) TYPE: amino acid
        (C) STRANDEDNESS:
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: peptide

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

```
Trp Tyr Gly Asn Asp Thr Trp Tyr Gly Asn Glu Met Trp Tyr Gly Asn
1               5               10              15

Asp Ser Trp Tyr Ala Asn Asp Thr Trp Asn Ser His Ala Ser Trp Ala
        20              25              30

Thr Asn Asp Thr Phe Asp Trp
        35
```

(2) INFORMATION FOR SEQ ID NO:4:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 55 amino acids
        (B) TYPE: amino acid
        (C) STRANDEDNESS:
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: peptide

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

```
Glu Glu Leu Glu Lys Ala Lys Ala Ala Gln Ala Leu Glu Gly Gly Glu
1               5               10              15

Ala Asp Gly Asp Pro Ala His Gly Lys Asp Cys Asn Gly Ser Leu Asp
            20              25              30

Thr Ser Gln Gly Glu Lys Gly Ala Pro Arg Gln Ser Gly Ser Gly Asp
        35              40              45

Ser Gly Ile Ser Asp Ala Met
    50              55
```

(2) INFORMATION FOR SEQ ID NO:5:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 20 amino acids
        (B) TYPE: amino acid
        (C) STRANDEDNESS:
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: peptide

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

```
Met Gln Asp Ala Met Gly Tyr Glu Leu Pro Trp Val Tyr Phe Val Ser
1               5                   10                  15

Leu Val Ile Phe
            20
```


(2) INFORMATION FOR SEQ ID NO:6:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 20 amino acids
        (B) TYPE: amino acid
        (C) STRANDEDNESS:
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: peptide

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

```
Val Asn Asp Ala Val Gly Arg Asp Trp Pro Trp Ile Tyr Phe Val Thr
1               5                   10                  15

Leu Ile Ile Ile
            20
```


(2) INFORMATION FOR SEQ ID NO:7:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 30 amino acids
        (B) TYPE: amino acid
        (C) STRANDEDNESS:
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: peptide

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

```
Lys His Tyr Phe Cys Asp Ala Trp Asn Thr Phe Asp Ala Leu Ile Val
1               5                   10                  15

Val Gly Ser Ile Val Asp Ile Ala Ile Thr Glu Val His Pro
            20                  25                  30
```

(2) INFORMATION FOR SEQ ID NO:8:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 30 amino acids
        (B) TYPE: amino acid
        (C) STRANDEDNESS:
        (D) TOPOLOGY: linear

   (ii) MOLECULE TYPE: peptide

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

Lys Gly Tyr Phe Ser Asp Pro Trp Asn Val Phe Asp Phe Leu Ile Val
1   5   10   15

Ile Gly Ser Ile Ile Asp Val Ile Leu Ser Glu Thr Asn Pro
           20   25   30

(2) INFORMATION FOR SEQ ID NO:9:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 25 amino acids
        (B) TYPE: amino acid
        (C) STRANDEDNESS:
        (D) TOPOLOGY: linear

   (ii) MOLECULE TYPE: peptide

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

Arg Gly Thr Pro Ala Gly Leu His Ala Gln Lys Lys Gly Lys Phe Ala
1   5   10   15

Trp Phe Ser His Ser Thr Glu Thr His
           20   25